



## Course advertisement

### Bioinformatics and Next Generation Sequencing

Within this course you will learn important bioinformatic concepts and tools and in particular focus on the analysis of Next Generation Sequencing datasets with many examples and exercises.

The course is open to all PhD students. Students of the PhD Program Biomedicine (BioMed) have priority.

Date	Topic	Time
Mon 1 <sup>st</sup> Nov 2021	Introduction to R	09:30-17:00 GMT
Mon 8 <sup>th</sup> Nov 2021	Introduction to Unix	09:30-12:30 GMT
Mon 8 <sup>th</sup> Nov 2021	Sequencing QC	13:30-17:00 GMT
Mon 15 <sup>th</sup> Nov 2021	RNA Seq Data Analysis	09:30-17:00 GMT
Mon 22 <sup>th</sup> Nov 2021	ChIP Seq Data Analysis	09:30-17:00 GMT
Mon 29 <sup>th</sup> Nov 2021	10X single cell RNA Seq Data Analysis	09:30-17:00 GMT
Mon 6 <sup>th</sup> Dec 2021	Extracting Biological Information from Gene Lists	09:30-17:00 GMT

Room	via Zoom, details to follow
Type	Interactive Course with many hands-on exercises
Requirement	Basic bioinformatics knowledge is recommended
Recommendation	PhD students that will work with NGS datasets
Maximum participants	20
Further information	BioMed Coordinating Office ( <a href="mailto:andrea.schmitz@uzh.ch">andrea.schmitz@uzh.ch</a> ) and here <a href="https://www.bioinformatics.babraham.ac.uk/training.html">https://www.bioinformatics.babraham.ac.uk/training.html</a>
Credit points	3 ECTS (exercises within the course)
Registration	By e-mail to <a href="mailto:andrea.schmitz@uzh.ch">andrea.schmitz@uzh.ch</a> until <b>Friday 1<sup>st</sup> October 2021</b> <b>including the registration form.</b> If the number of applications exceeds the maximum number of possible participants, priority will be given to BioMed students and those working with NGS datasets.